

SECTION 5 VALIDATION OF COMPLETE PLANS, SPECIFICATIONS AND ESTIMATES

5.1 PURPOSE

This Section provides guidance to validate that the PS&E is full, complete and accurate.

5.2 RESPONSIBILITIES

5.2.1 DISTRICT PE

Ensures that the PS&E is full, complete and accurate.

5.2.2 STRUCTURE PE

Ensures that the structure portion of the PS&E adheres to Department standards.

5.2.3 SOE

- Verifies that the structure plans are full, complete and accurate.
- Prepares the structure portion of the Estimate.
- Prepares and approves the structure portion of the project special provisions.

5.2.4 DOE

ALL projects

- Verifies that the project submittal to DES-OE is complete and conforms to the Department's standards.
- Combines the structure and highway portions of the project special provisions.
- Submits the project to DES-OE. The DOE has additional responsibilities for AADD projects as described in Section 15, "Authority to Advertise District Delegated (AADD) Projects."
- Ensures responses to draft contract comments are provided to DES-OE.

5.2.5 DES-OE

For AAOE projects:

- Provides QA on the project submittal to verify that the project meets the Department's standards.
- Recommends approval of Section 2 of the RTL Certification.

- Performs an IA review after advertisement to verify that the DES-OE QA process assures that AAOE projects meet the Department's standards.

For AADD projects

- Performs an IA review after advertisement to verify that the District's Quality Control process assures AADD projects meet the Department's standards.
- Provides feedback of the IA findings to DOE.
- Recommends corrective action to non-compliance of a district certified draft contract.

5.3 PROJECT PLANS CERTIFICATION

Project plans prescribe the details for completion of the work, including details for items not covered by the current Standard Plans, including NSP and RSP published by DES-OE. Project plans are prepared following the standards in the Plans Preparation Manual (see Appendix D, "*Websites*") and the CADD Users Manual of Instructions. All project plans are developed on CADD and must conform to the Department's standards.

The project engineer may need to modify a standard plan detail for unique project requirements. Portions of the standard plans can be copied, modified, and added to the appropriate project plan detail sheet. For detail modification, the Microstation (dgn file) versions of the standard plans are available on the DES-OE Web site.

STRUCTURE PLANS AND DETAILS

DES-SD has the responsibility for preparing structure plans. Plans are sent to the districts for a check on data pertaining to horizontal and vertical alignment and clearances. The final electronic files are submitted to the district. The district is responsible for submitting the combined roadway and structures CADD files to DES-OE with the PS&E submittal.

FINAL PAY ITEMS

Final pay items have sufficient detail, dimensions and information so that the quantities may be confirmed independently. Quantities are tabulated in the appropriate quantity sheets. Items are not designated as final pay items on the plans.

5.4 PROJECT SPECIFICATIONS CERTIFICATION

Specifications prescribe the details for the construction, completion and payment of the work. Contract special provisions are an essential part of the contract and govern over all the other parts of the contract. Project specifications conform to Department standards (see Section 6).

5.5 PROJECT ESTIMATE CERTIFICATION

The Project Estimate of Cost conforms to Department standards (see Section 7).